

FireWire 1394dock Docking Kit

MODEL VP-8059

MODEL VP-8059L

**FireWire 1394dock Docking Kit for use with
Mobile Rack Removable Docking Modules
with 3.5"/2.5" HDD or Optional zip[®],
SuperDisk[™] LS-120, MO, TR-4 Tape,
Digital Film Memory Reader or CD-ROM drives**



Installation Manual

ViPower
We are your DataBridge[™]
<http://www.vipower.com>

Table of Contents

- 1-1 Introduction 1
 - 1-1.1 FireWire 1394dock Features 2
 - 1-1.2 ATA/ATAPI Device Compatibility 2
 - 1-1.3 Power Requirements 2
 - 1-1.4 Unpacking Your FireWire 1394dock Docking Kit 2
- 2-1 Installation 3
 - 2-1.1 Install Stand Set on Mobile Rack (Model VP-8059) ... 3
 - 2-1.2 Setting Up the FireWire 1394dock for Operation 4
- 3-1 Disconnecting the FireWire 1394dock 6
- 4-1 Accessories 6

PROPRIETARY NOTICE

ViPower Inc. makes no warranty of any kind with regard to this material, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. ViPower Inc. shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this material.

This document contains proprietary information which is protected by copyright. All rights are reserved. No part of this document may be photocopied, reproduced, or translated to another language without the written consent of ViPower Inc. The information contained in this document is subject to change without notice.

PC is a trademark of International Business Machines Corporation.
FireWire and Mac are registered trademarks of Apple Computer, Inc.
Windows is a registered trademark of Microsoft Corporation.
All other trademarks belong to their respective owners.

1-1 Introduction

Congratulations on your purchase of the FireWire 1394dock Docking Kit. The FireWire 1394dock is an external 1394 interface adapter which is designed to enable hot-swap, plug-and-play operation of Enhanced IDE or ATA/ATAPI devices through the 1394 interface on any FireWire 1394-equipped computer. The FireWire 1394dock's 50-pin connector is designed for use with external devices using the same connector type (such as CD-ROM) and the Mobile Rack drive case, which provides the perfect solution for data backup and transporting of data between computers using hard disk drives, zip drives, LS-120 drives, MO drives, tape drives, digital film readers and more.

The FireWire 1394dock connects to any notebook, iMac, iBOOK, G3/G4, Net-PC, Micro ATX PC, LCD panel PC, Mac and PC desktop computer equipped with a FireWire 1394 port. The 1394dock allows you to easily hot-swap various types of drives mounted in the Mobile Rack without interrupting the current operation.

This manual will guide you through the hardware installation of the following FireWire 1394dock models:

Model VP-8059 FireWire 1394dock Docking Kit
with Mobile Rack (VP-10LSF)

Model VP-8059L FireWire 1394dock Docking Kit (without Mobile Rack)

1-1.1 FireWire 1394dock Features

- Enables hot-swap Plug-and-Play operation of Enhanced IDE, ATA and ATAPI devices with computers using the FireWire 1394 interface
- Provides two FireWire IEEE 1394 interface ports
- High performance embedded processor to reduce firmware overhead dual (ping-pong) buffer to minimize bus latency
- Intelligent interface uses no host CPU resources to control/monitor time-consuming drive phases other than data transfer
- Complies with the Mass Storage Specification issued by the FireWire 1394 committee, which ensures embedded Mac OS and Windows 98/2000 driver support for Plug-and-Play without additional driver installation
- Proprietary Windows driver supports most devices
- Universal firmware supports all devices, automatic detection for ATA or ATAPI protocol
- The interface adapter is supplied as a standard OEM board for internal mounting
- Perfect for adding/sharing external storage devices between computers using the FireWire 1394 interface
- Actual data rate may vary depending on bus utilization and device response time

1-1.2 ATA/ATAPI Device Compatibility

- ATAPI removable drives: Iomega Zip 100MB/250MB and Klik!, LS-120 Super Floppy, Sony HiFD 200MB, MO drives, tape drives
- Enhanced IDE and ATA hard drives: both 2.5" and 3.5" form factors, any capacity
- ATAPI CD-ROM drives: CD-ROM, CD-R, CD-RW, DVD drives, compatible with all major CD-RW software
- ATA removable media drives: SyQuest SyFlyer, SparQ and Syjet, Castlewood ORB. Supports media change and disk ejection

1-1.3 Power Requirements

- **+5V devices:** +5V devices can draw power directly through the 1394 port connection, the +5V/+12V power adapter, or an optional +5V power adapter
- **+5V/+12V devices:** +5V/+12V devices require the use of a +5V +12V AC/DC power adapter (included)

Typical power requirements for ATA/ATAPI device types:

Drive Type	+5V	+5V/+12V
Zip	X	
LS-120 SuperDisk	X	
MO	X	
Tape		X
2.5" HD	X	
3.5" HD		X
CD-ROM		X

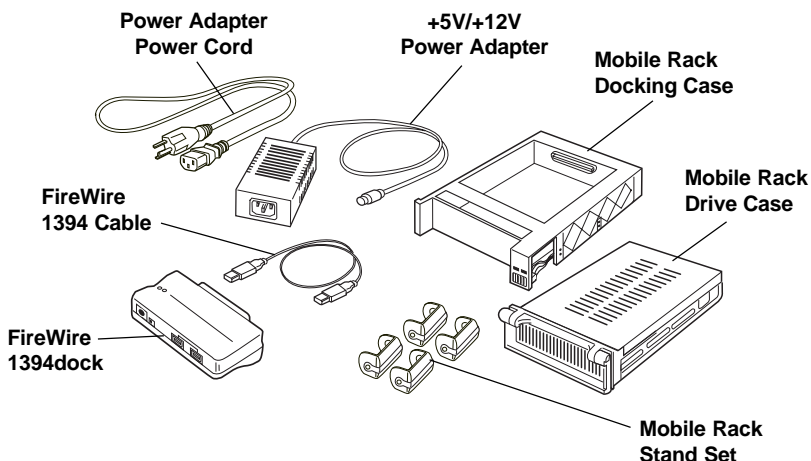
IMPORTANT

It is recommended that the +5V/+12V power adapter be used for *all* devices whenever possible to avoid any power problems.

1-1.4 Unpacking Your FireWire 1394dock Docking Kit

Before installing the FireWire 1394dock, verify that the following items are included in the carton. If any parts are damaged or missing, please contact your local dealer or sales representative immediately.

- One FireWire 1394dock interface unit
- One +5V +12V AC/DC power adapter and power cord
- One FireWire 1394 cable
- Mounting screws (16 screws) (for Model VP-8059 only)
- One Mobile Rack Stand Set (4 pieces) (for Model VP-8059 only)
- One Mobile Rack (VP-10LSF) (for Model VP-8059 only)



FireWire 1394dock Docking Kit Components (with Mobile Rack)

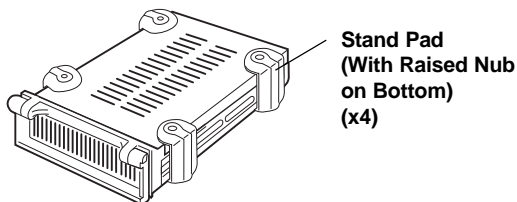
2-1 Installation

Refer to the following for setup of the FireWire 1394dock for operation.

- **For Mac® user's:** A software driver is required for operation of the FireWire 1394dock with Mac computers. This must be purchased separately.
- **For use with the Mobile Rack:** please refer to the Mobile Rack Installation manual for instructions for installing devices in the Mobile Rack drive case.

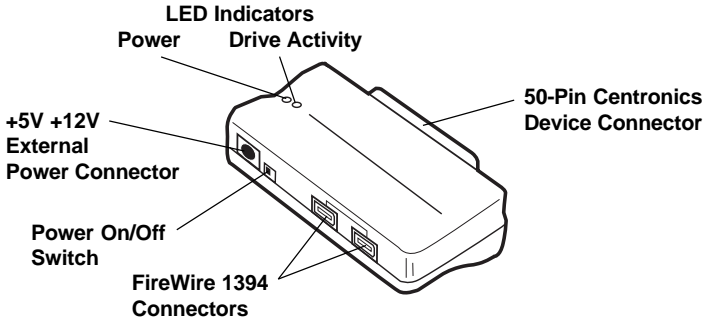
2-1.1 Install Stand Set on Mobile Rack (Model VP-8059)

A 4-piece stand set is included to help heat dissipation and provide secure placement of the Mobile Rack. After mounting the device in the Mobile Rack, slide a stand pad onto each corner .



Mobile Rack Stand Set Installed

2-1.2 Setting Up the FireWire 1394dock for Operation



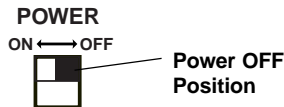
FireWire 1394dock Power Switch & Connector Locations

Perform the following steps (in the order given) to set up the FireWire 1394dock with your peripheral device for operation:

1. Plug the FireWire 1394dock's 50-pin connector into the connector on the device you plan to connect to your computer.
 - a. External devices that provide a 50-pin Centronics interface connector support direct connection with the FireWire 1394dock.
 - b. Internal devices such as EIDE hard drives or ATA/ATAPI devices can be mounted in the Mobile Rack drive case. (Refer to the Mobile Rack manual for instructions on mounting these devices in a Mobile Rack.)

IMPORTANT

Make sure the Power switch on the 1394dock is set to the RIGHT, power OFF position before proceeding.



FireWire 1394dock Power Switch Settings

2. **Using the +5V/+12V AC/DC Power Adapter:**

- a. With the power switch in the OFF position, plug in the 6-pin connector-end of the power adapter into its corresponding +5V/+12V power-in connector on the FireWire 1394dock.
- b. Plug one end of the power cord into the power adapter and the other end into an AC power source outlet.

3. Set the power switch to the ON position:

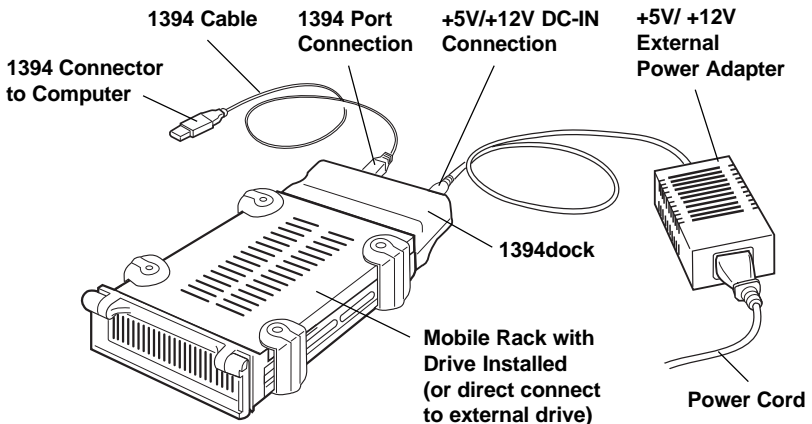
Note that the green LED on the FireWire 1394dock should be lit, indicating power ON. This allows the device to warm up before connecting to the FireWire 1394 port on your computer.

IMPORTANT

All drive devices must be powered up and ready to use before plugging into the computer's 1394 port.

4. Plug one end of the FireWire 1394 cable into the 1394 port on your computer; plug the other end into one of the 1394 ports on the FireWire 1394dock.
5. Viewing the computer's monitor screen, note that the plug-and-play feature will recognize the new device and assign it as a new drive. Hard disk drive partitions will also be auto-detected and assigned drive letters.

The device is now ready to use.



FireWire 1394dock Connections for Operation

3-1 Disconnecting the FireWire 1394dock

Perform the following steps to disconnect the FireWire 1394dock from your computer.

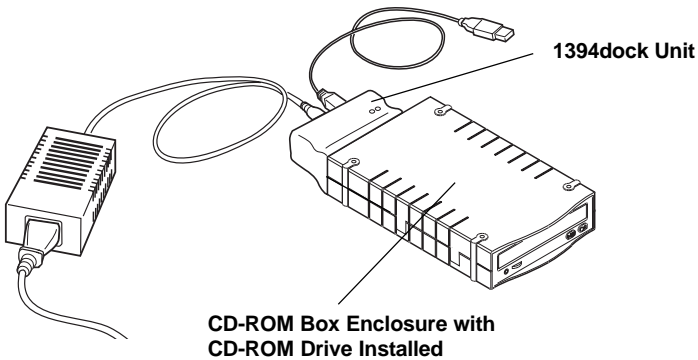
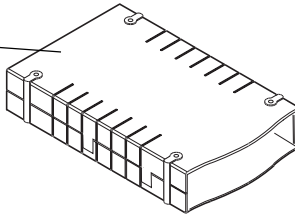
1. Turn off the power by sliding the power switch on the 1394dock to the OFF position. (Note that the drive icon will disappear from the computer screen.)
2. Unplug the 1394 port connector from the 1394dock.
3. You can now switch to another device. When connecting a new device, be sure to follow the same sequence for setup as previously outlined in section 2-1.2.

4-1 Accessories

Using the optional CD-ROM Box Enclosure, the FireWire 1394dock can be used to convert ATAPI CD-ROM, CD-R, CD-RW and DVD drives into external FireWire devices.

Model VP-6020

CD-ROM Box Enclosure



FireWire 1394dock with CD-ROM Box Enclosure

